

**Commonwealth of Kentucky**  
**Division for Air Quality**  
**EXECUTIVE SUMMARY**

PROPOSED

Title V, Operating

Permit: V-07-005

Dow Corning Corporation

Carrolton, KY 41008

November 20, 2007

Permit Writer, Reviewer

SOURCE ID:	21-041-00004
AGENCY INTEREST:	703
ACTIVITY:	APE20040003

**SOURCE DESCRIPTION:**

Dow Corning Corporation is a synthetic organic chemical manufacturing industry (SOCMI) falling under SIC code Group 28. The primary operation at the Carrollton plant consists of the manufacturing of silicone-based compounds. The primary raw materials at the plant are silicon, methanol, hydrochloric acid, and methyl chloride. The methanol and hydrochloric acid are combined to produce methyl chloride, which is then reacted with the silicon metal to produce various silicone-based chemicals.

The plant also includes several support activities such as Utilities, Waste Treatment, Quality Assurance Laboratories, Barge Unloading, Product Shipping and Research & Development (labs and pilot plants).

**PUBLIC AND AFFECTED STATE REVIEW:**

The affected state (Ohio) was notified of the issuance of the draft permit on November 20, 2007 via e-mail. On October 3, 2007, the public notice on availability of the draft permit and supporting material for comments by persons affected by the plant was published in *The News-Democrat* in Carrollton, Kentucky. The public comment period expired 30 days from the date of publication.

No comments were received during this period. Therefore, the Division has made a final determination to issue a proposed permit. A final permit will be issued after the U.S. EPA's 45-day review.